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Acoustics and children with Autism

As more children are diagnosed with Autism Spectrum Disorder (ASD), there is a great need for research surrounding how the built environment impacts them. This study analyzed how parents of children with ASD perceive the effects of acoustics on their child. Through surveys, parents detailed their perceptions of their child's behaviors to different acoustical aspects of the environment and the effectiveness of the current acoustical design of their home. Results indicate that there was an association between parents rating noise control as being important for their child and observing behaviors in their children in response to noise.

Speaker Biography

Shireen M Kanakri earned her M. Arch. from Jordan University of Science & Technology in 2006 and her Ph.D. from Texas A&M University, USA in 2014. She is a tenure-track assistant professor in interior design and director of the Health Environmental Design Research Lab at Ball State University, in Muncie, Indiana, USA. She has more than ten publications in refereed journals, 6 abstracts, and 24 refereed presentations on the topic of autism. She has worked in a professional capacity as a consultant with various organizations across the USA and is currently working with Harvard School of Medicine to develop and design a health environment research lab. She is the recipient of ten awards for her research and scholarship as well as external and internal grants totaling more than \$135,000.

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